cardo SHO-1™

cardo
communication in motion®

Bluetooth®

Recommended by
SHOEI
PREMIUM HELMETS

User Guide

ver. 2.0

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IMPORTANT:

This is version 2.0 of the User Manual. Please note, that our manual is periodically updated on the Cardo website to include the very latest features and functions of your new cardo SHO-1.

*Please visit **www.cardosystems.com/download/manuals** to check if the manual you are holding is the most updated version and to download the manual in your preferred language.*

1. INTRODUCTION

Thank you for choosing the cardo SHO-1™ *Bluetooth*® communication and entertainment system for Shoei helmets. This manual will help you set up, configure and operate it.

If you have purchased the cardo SHO-1 DUO, your retail box contains two factory-paired units.

Among others, the cardo SHO-1 offers the following features:

INTERCOM OPTIONS

- Intercom Conference mode between 2, 3 or 4 riders at a range of up to 1.6 km*
- *Click-to-Link*® Intercom: For spontaneous connection with other riders nearby
- "1+8" Intercom Toggling with 8 additional buddies

MULTIPLE DEVICE CONNECTIVITY

- *Bluetooth* Mobile phones / GPS device
- Wireless MP3 connectivity via A2DP - cable option also provided

ENTERTAINMENT OPTIONS

- Wireless music streaming via devices supporting *Bluetooth* Stereo A2DP and AVRCP profiles.
- MP3 Players (non-*Bluetooth*) via cable
- Built-in FM Radio with 6 station presets and automatic tuning

***CARDO COMMUNITY*®**

- Download software upgrades, enhancements and new features
- Set up your "1+8" Intercom buddies
- Create, find and join riding tours
- Customize your cardo SHO-1 settings

ADVANCED TECHNOLOGY

➤ Voice Command and VOX technology:
- Make / Receive mobile calls by voice command
- Make intercom calls by voice command

➤ AGC technology (Automatic Gain Control), allowing the automatic volume adjustment according to ambient noise and riding speed. You can also control the volume level manually. AGC sensitivity levels can be customized to suit your personal preferences

➤ VOX technology and Voice Command for safe and hands-free operation of key functions. VOX sensitivity levels can be customized to suit your personal preferences

➤ PLC software (Packet Loss Concealment) for real-time compensation of audio losses in challenging environments.

➤ Software updates via the Cardo Community on PC/Mac

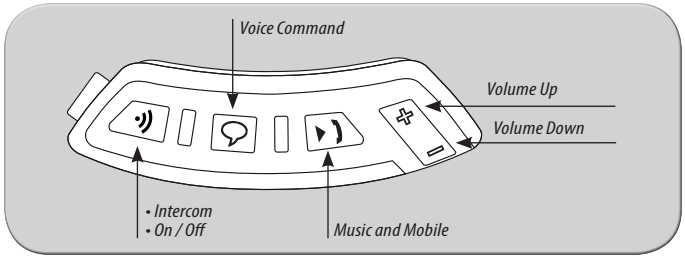
➤ Cardo SmartSet App for settings customization on-the-go

➤ Spoken status announcements, so that you always know to whom or to what device you are connected

➤ Volume Per Mode: Volume is set and saved at different levels of your choice for each audio source

We wish you a great cardo SHO-1 experience and encourage you to write us at **support@cardosystems.com** with any questions, suggestions or comments you may have.

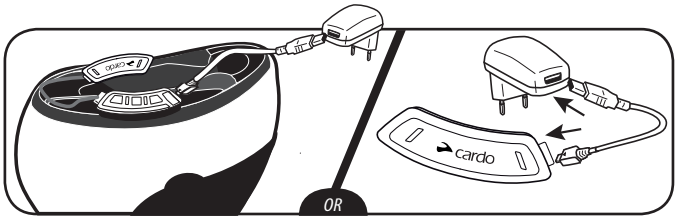
* Under tough environmental conditions (dense forest, narrow buildings, heavy traffic), intercom range will be reduced. Once conditions improve, the range will increase again.



cardo SHO-1 button layout

2. CHARGING THE BATTERY

Make sure that the battery is fully charged for at least 4 hours before initial use.



Charging with the wall charger is faster than via a computer USB port.

• BATTERY LED RED – Charging • RED LED OFF – Charging complete

Battery Check	*In Standby, press ⊕ and ⊖ for 5 seconds.* *• BLUE = Full • PURPLE = Half • RED = Almost empty*

	The cardo SHO-1 is waterproof and dustproof. However, when in use, the USB silicone cover should be kept tightly closed to prevent moisture from entering the unit.

3. CUSTOMIZATION AND SETTINGS

Get the most out of your cardo SHO-1 by changing the settings and customizing your unit according to your own personal preferences.

There are three ways to change the settings: via the *Cardo Community* on a PC / Mac*, the SmartSet App or from the Settings Menu on your device.

	Cardo Community	SmartSet App	Settings Menu
Set your Buddy name for 1+8 Intercom	✓	×	×
Add friends to your Buddy list	✓	×	×
Create and join tours and invite your friends	✓	×	×
Download the latest firmware upgrade	✓	×	×
Set your Hot-Dial number	✓	✓	×
Set the 6 FM radio presets	✓	✓	×
Change the Voice Recognition language	✓	✓	✓
Disable Spoken Status Announcements	✓	✓	✓
Change A2DP / Intercom audio priority	✓	✓	✓
Change AGC sensitivity for the speakers	✓	✓	✓
Change VOX Operation Mode	✓	✓	✓
Change VOX sensitivity for the microphone	✓	✓	✓
Disable *Click-to-Link*	✓	✓	✓

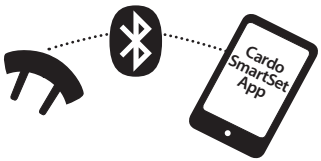
CARDO COMMUNITY WEB PLATFORM

When connecting your cardo SHO-1 to the computer, make sure that the battery unit remains connected.

Visit **http://community.cardosystems.com**

*Minimum Requirements: Windows® XP™ / Mac OS X 10.5

CARDO SMARTSET APP



Download on the App Store

ANDROID APP ON Google play

SETTINGS MENU

The Settings menu is built in to your cardo SHO-1 and is available in several languages.

Enter Menu	In Standby, press for 2 seconds
Exit Menu	Press for 2 seconds

4. GETTING STARTED

4.1 GENERAL FUNCTIONS

Power ON / OFF	Press for 2 seconds • ON: 3 BLUE flashes + ascending tone • OFF: 3 RED flashes + descending tone
Volume	Tap ⊕ or ⊖ to adjust and set volume of current audio source
Mute / Unmute	Tap ⊕ and ⊖ simultaneously
Battery level indicator	In Standby, press ⊕ and ⊖ for 5 seconds • Blue LED = Full charge • Purple LED = Half charge • Red LED = Almost empty
Enter Settings Menu	In Standby, press for 2 seconds and follow the spoken instructions
Hear Your Buddy Name	In Standby, tap and simultaneously
Paired Device Indication	In Standby, press and for 2 seconds If "1+8" Buddies are within range, purple LEDs flash for 2 seconds
Group Signal	Tap twice
Enable / Disable VOX (For Intercom calls only)	In Standby, press ⊕ and ⊖ for 2 seconds • Enabled: Blue flash for 2 seconds • Disabled: Red flash for 2 seconds
Enable / Disable Spoken Status Announcements	Press and for 2 seconds

4.2 STATUS LIGHTS

Main unit LED indication	Status
None	cardo SHO-1 is OFF
1 BLUE flash every 3 seconds	**Standby mode** – No active audio
2 BLUE flashes every 3 seconds	**Active mode** – Call in progress / music or other audio source is ON
1 RED flash every 3 seconds	**Standby mode** – Battery is low
2 RED flashes every 3 seconds	**Active mode** – Battery is low
Solid PURPLE	USB connected
Solid RED (battery LED)	Charging

4.3 AUDIO SOURCES AND PRIORITIES

If two connected audio sources try to play audio simultaneously, the cardo SHO-1 automatically determines which to play through the speakers based on the priority of the connected devices.

Higher Priority

Lower Priority

1. **Mobile Phone or GPS instructions***
2. **Intercom**
3. **A2DP (Stereo *Bluetooth*) audio**
4. **FM Radio (Built-in)**
5. **AUX (for corded connection i.e. Music Players)**

**GPS instructions from Smartphone GPS Apps are prioritized like A2DP audio*

- Incoming mobile phone calls interrupt ongoing intercom calls
- Incoming **intercom calls** will interrupt ongoing **A2DP music**
- *Click-to-Link*, Intercom and "1+8" calls have the same priority: *Click-to-Link* requests will not interrupt any type of Intercom call in progress, and vice-versa

A2DP audio priority can be configured to be higher than Intercom. See section 3 to adjust settings.

4.4 VOICE COMMAND

The cardo SHO-1 allows you to perform key actions hands-free by simply using your voice.

The default Voice Command language is English. Other languages are also available (see section 3 to adjust settings).

Throughout this manual, features which are available via Voice Command are marked with the icon.

1. With no call in progress, tap or speak any word loudly to activate VOX
2. Speak a Voice Command from the table below:

Current Mode	Desired Action	Say this:
Standby / FM / A2DP / AUX	"1+8" Intercom Call*	***<<Buddy Name>>****
	Intercom call with A or B	***"Call Intercom"***
Standby	Start A2DP	***"Music ON"***
	Turn on FM	***"Radio ON"***
FM Radio	Turn off FM	***"Radio OFF"***
	Next Station Preset	***"Next Station"***
	Previous Station Preset	***"Previous Station"***
A2DP Music	Stop / Pause A2DP	***"Music OFF"***
	Next Track	***"Next Track"***
	Previous Track	***"Previous Track"***

*see Section 5.1 for details

Voice Command performance may vary based on environmental conditions including driving speed, helmet type and ambient noise.

For improved performance of the Voice Command feature, minimize wind impact on the microphone by using the large microphone sponge and closing the visor.

4.5 VOICE CONNECT (VOX)

The cardo SHO-1 offers VOX technology for safe and hands-free operation of some key functions.

You can set VOX to either start an intercom call or activate the Voice Command.

VOX Activation	Speak any word loudly into the microphone
Answer a call	Speak any word loudly into the microphone
Reject a call	Remain silent for about 15 seconds
VOX Sensitivity (Default: Medium)	See section 3 to adjust settings. **High:** Use this setting if it is difficult to activate VOX **Low:** Use this setting if it is too easy to activate VOX
VOX Operation Mode	VOX can be set to activate the Voice Command (default) or to start an Intercom Call. See section 3 to adjust settings.
Enable/Disable VOX (For Intercom/ Voice Command only)	In Standby, press ⊕ and ⊖ simultaneously for 2 seconds • **Enable:** Blue flash for 2 seconds • **Disable:** Red flash for 2 seconds

5. INTERCOM

The cardo SHO-1 allows full duplex intercom communication at a range of up to 1.6 km / 1 mile (subject to terrain and within line of sight).

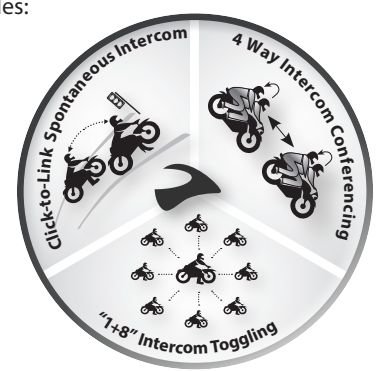
To chat with someone via Intercom, first pair your cardo SHO-1 to the second unit. Pairing is a one-time process. Once paired, the units should automatically recognize each other whenever in range.

If you have purchased the cardo SHO-1 DUO, the box contains two factory-paired units configured to communicate via Channel ***"A"****.*

Intercom Compatibility

Your cardo SHO-1 is compatible with all Cardo intercom products. Intercom range with other models is limited to the distance of the device with the shorter range. For more info please visit **www.cardosystems.com/sho1compatibility**.

Intercom communication is possible using one of the three Intercom modes:



Section 5.1	**"1+8" Intercom Toggling** (between cardo SHO-1 and scala rider G9 / G9x only)	2-way Intercom conversations within a group of up to eight other "1+8" Buddies
Section 5.2	**Intercom with Channels "A" and "B"** (with other scala rider models)	Intercom Conferencing (2-way, 3-way and 4-way) using Channels **"A"** and **"B"**
Section 5.3	***Click-to-Link*** (with compatible models)	1-on-1 spontaneous intercom conversations with random riders near you who are not already paired to your cardo SHO-1

5.1 "1+8" INTERCOM TOGGLING

Pair with up to 8 other devices ("1+8" Buddies) and connect with them one at a time by saying their name.

5.1a CONFIGURING YOUR BUDDY NAME

Before using "1+8" Intercom, you should assign your device a Buddy Name, so that other "1+8" participants can call you by this name.

If you change your Buddy Name, you must pair again with your "1+8" Buddies for their device to receive your new Buddy Name.

Visit the *Cardo Community* to configure your Buddy Name (see Section 3). Until you configure a Buddy Name, your unit will be known by its generic "1+8" Buddy name, "cardo SHO-1".

Hear Your Buddy Name	In Standby, tap and simultaneously. You will hear the Buddy name of your cardo SHO-1 through the speakers.
Play Paired Buddy List	In Standby, press for 2 seconds

5.1b PAIRING WITH A "1+8" INTERCOM BUDDY

1. In Standby, press for 5 seconds to enter pairing mode.
2. Repeat on the second cardo SHO-1.
3. If pairing was successful, a purple light appears for 2 seconds.

NOTES:

- *If your cardo SHO-1 already has a full list of 8 paired "1+8" Intercom Buddies, pairing another buddy will replace the buddy that you have not spoken to for the longest time.*
- *For pairing with "1+8" Buddies using scala rider G9 / G9x units see* ***www.cardosystems.com/sho1compatibility****.*

Pairing Online – *Cardo Community*®

You can also find your friends and add them to your "1+8" Buddy list via the *Cardo Community* (see section 3).

5.1c PAIRED DEVICE INDICATION

You can see which units within a range of 20m are your "1+8" Intercom Buddies.

Paired Device Indication	In Standby, press and for 2 seconds If "1+8" Buddies are within range, the LEDs on both units will turn PURPLE for 2 seconds

5.1d CALLING "1+8" INTERCOM BUDDIES

There are two ways to start an intercom call with "1+8" buddies.

OPTION 1: Voice Connect (VOX)

Speak any word loudly into the microphone. When you hear the Voice Command tone, say the name of a "1+8" Intercom Buddy i.e. "John Smith"

OPTION 2: Manual Mode

SAY THE NAME	CHOOSE THE NAME (from your Buddy List):
Tap and say the name of the "1+8" Buddy	OR Press for 2 seconds. Hear the names of all pre-paired "1+8" buddies. When you hear the name of the Buddy you wish to call, tap or say any word loudly into the microphone. To cancel Buddy List playback: Press for 2 seconds.

5.2 INTERCOM WITH CHANNELS "A" AND "B"

Start multi-party conversations using Intercom Channels **"A"** and **"B"**. This mode is suitable for 2, 3 or 4-way calls.

5.2a PAIRING INTERCOM CHANNELS "A" AND "B"

Pairing a Channel will replace any existing paired device on that Channel with the newly paired device.

If you have purchased the cardo SHO-1 DUO, both units are factory-paired and configured to communicate via Channel ***"A"****. If for any reason you have to pair them again, OR if you wish to pair a different unit to make Intercom calls, proceed as follows:*

1. Check that all units are in Standby.
2. Press for 5 seconds until the LED begins flashing rapidly, indicating it is in Intercom Pairing mode (see table below for channel pairing).
3. Enter Intercom Pairing mode on the second unit following its user manual. Both units will now be in Intercom Pairing mode.
4. After a few seconds, both units will show a solid LED for 2 seconds, indicating that they are paired and ready to use.
5. If Pairing is not completed within two minutes, the units will return to Standby mode.

CHANNEL	PAIRING METHOD	LED INDICATORS
"A"	In Standby, press for 5 seconds. Channel **"A"** pairs automatically.	Rapid RED flashing
"B"	In Standby, press for 5 seconds. When LED begins flashing , tap twice.	Rapid BLUE flashing

5.2b CALLING INTERCOM CHANNELS "A" AND "B"

There are two ways to start an intercom call with Channels **"A"** and **"B"**

OPTION 1: Voice Connect (VOX)

Speak any word loudly into the microphone. When you hear the Voice Command tone, say "Call Intercom" to start an intercom call with **"A"** and/or **"B"** (subject to who is present)

VOX Intercom call with only **"A"** or **"B"** will end automatically after 30 seconds of silence.

OPTION 2: Manual Mode

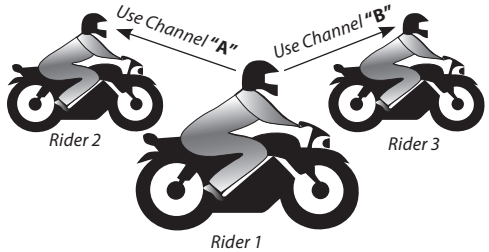
Use this to start an Intercom call with either:

- Channel **"A"**: Tap
- Channel **"B"**: Double-tap

To end a call tap .

If you are already in an Intercom call with **"A"** or **"B"**, tap twice to add a third rider (**"A"** or **"B"**).

THREE-WAY INTERCOM



Pairing

Rider "1" is paired to Rider "2" and also to Rider "3".

1. **Rider 1** pairs to **Rider 2** using Channel **"A"** (see 5.2a).
2. **Rider 1** pairs to **Rider 3** using Channel **"B"** (see 5.2a).

IMPORTANT: Three-Way Conference Mode Considerations

During a 3-Way Intercom Conference call with 2 other participants, Rider 1 will not be able to receive mobile phone calls or GPS navigation instructions as long as the call is in progress.

FOUR-WAY INTERCOM

Pairing

1. Pair **Rider 1** to **Passenger 2** using Channel **"A"** (see 5.2a).
2. Pair **Rider 3** to **Passenger 4** using Channel **"A"** (see 5.2a).
3. Pair **Passenger 2** to **Passenger 4** using Channel **"B"** (see 5.2a).

In this configuration the two passengers (numbered 2 and 4) are each using two *Bluetooth* connections:

Calling

1. Make sure all four units are in Standby.
2. **Passenger 2** should double-tap to call **Passenger 4**. Wait until audio is heard on both units.
3. **Rider 1** should tap to call **Passenger 2**.
4. **Rider 3** should tap to call **Passenger 4**.

IMPORTANT: Four-Way Conference Mode Considerations

During a 4-Way Intercom call, the two passengers who maintain two active connections will not be able to receive mobile phone calls or GPS instructions as long as the conference call is in progress.

5.3 *CLICK-TO-LINK (CTL)* INTERCOM

Click-to-Link is a spontaneous, "social" feature of your cardo SHO-1**.** You can instantly initiate 1-on-1 intercom calls with other riders near you, without being paired. Think of it as a private channel that you can set up on-the-go with other riders that you see along the way.

Click-to-Link can be disabled effectively blocking any attempt by a third party to send a *Click-to-Link* request to you.

Start a *CTL* call request (search lasts up to 10 sec.)	Tap three times
End a *CTL* call / Cancel a *CTL* call request	Tap
Accept a *CTL* call	When hearing the *CTL* ringtone: Tap or say any word loudly to answer by VOX
Reject a *CTL* call	While hearing the *CTL* ringtone: Remain silent until the ring tone stops or press for two seconds
Enable / Disable *CTL* *(Enabled by default)*	Via the Settings Menu, *Cardo Community* and the Cardo Smartset App

If other riders are nearby, your next *Click-to-Link* call may randomly connect to any of them.

5.4 BUSY SIGNAL

When attempting to establish an Intercom call with another device that is already busy, a "busy" signal will be heard. The cardo SHO-1 is busy while on a phone call, intercom call with Channels **"A" *and* "B", "***1+8"*** intercom call or *Click-to-Link* call.

5.5 RECEIVING INTERCOM CALLS

If a paired unit tries calling you via Intercom, the call will begin almost instantly.

5.6 GROUP SIGNAL

Send an instant message to all paired cardo SHO-1 units and scala rider G9 / G9x units within a range of up to 350 m. The recipients will hear a **"Signal!"** voice announcement. To reach a maximum number of riders, the message is automatically forwarded to all paired cardo SHO-1 units within the recipient's range. In this manner the total range is extended to up to 1 km.

Send a Group Signal	Double tap

The transfer of wireless signals is influenced by multiple external factors. Therefore, please do not rely on the Group Signal for emergency purposes.

6. PAIRING AND USING A MOBILE PHONE, GPS OR MP3 PLAYER

To connect your cardo SHO-1 to a *Bluetooth* device you must first pair them. Once paired, they will automatically recognize each other whenever they are within range (10m / 33ft).

Your unit has two *Bluetooth* channels for connection to mobile phones, GPS devices and music players with A2DP.

6.1 PAIRING *BLUETOOTH* CHANNELS 1 AND 2

1. Make sure *Bluetooth* is enabled on your phone/GPS/MP3 player.
2. Check the unit is in Standby (single BLUE flash every 3 seconds).
3. **To pair *Bluetooth* Channel 1** – press ⊕ for at least 5 seconds until the RED and BLUE LEDs begin rapidly alternating.
   To pair *Bluetooth* Channel 2 – press ⊖ for at least 5 seconds until the RED and BLUE LEDs begin rapidly alternating.

To pair a GPS, when LEDs begin rapidly alternating, tap ⊕.

4. Search for *Bluetooth* devices on your phone/GPS/MP3 player by following the device's instructions.
5. After a few seconds the device will list "cardo SHO-1". Select it.
6. If prompted for a PIN or Passkey, enter 0000 (four zeros).
7. The device will confirm that pairing has succeeded and the LED will begin flashing Blue, once every 3 seconds.
8. If pairing is not completed within 2 minutes, the unit will return to Standby mode.

IMPORTANT!

- If you have paired 2 different mobile phones directly to your cardo SHO-1, you will need to set one as default for making calls.
- If your GPS supports it, you can pair the second mobile phone directly to the GPS and then pair the GPS to your cardo SHO-1, and so connect both mobile phones and the GPS to your cardo SHO-1.

NOTES:

- Not all *Bluetooth* mobile phones can broadcast *Bluetooth* Stereo music (A2DP), even if the phone has an MP3 player function. Consult your mobile phone's User Manual for more information.
- Not all *Bluetooth* GPS devices allow connection to *Bluetooth* audio devices. Consult your GPS User Manual for more information.
- After pairing, you may need to tap ⏭ to connect.

6.2 MAKING AND RECEIVING PHONE CALLS

Answer a call	Tap ⏭ or speak any word loudly to answer by VOX
Reject a call	Remain silent for 15 seconds, or press ⏭ for 2 seconds
End a call	Tap ⏭
Voice Dial* (if supported by mobile phone)	Press ⊕ for 2 seconds and follow the prompt from the mobile
Redial*	Press ⊖ for 2 seconds
Hot Dial*†	Tap ⏭ three times
Set default mobile‡	While on a phone call, press ⊕ for 5 seconds
Change default mobile	In Standby, press ⏭ for 5 seconds
INTERCOM CONFERENCE MODE	
Add/Remove Channel "A" to/from a call	Tap 🔊 while on a phone call
Add/Remove Channel "B" to/from a call	Double-tap 🔊 while on a phone call

* This feature is not available during mobile calls.

† Before using Hot-Dial, configure your Hot-Dial number via the *Cardo Community* or the Cardo Smartset App.

‡ If 2 mobile phones are paired directly to your cardo SHO-1, set one to use as default for outgoing calls.

6.3 LISTENING TO MUSIC VIA A2DP

*The cardo SHO-1 can also receive audio via the enclosed cable from non-*Bluetooth *MP3 Players or audio sources as described in section 6.5.*

Available only on AVRCP compatible *Bluetooth* audio sources	
Play	In standby, tap
Pause/Stop	Press for 2 seconds
Next Track	With music ON, tap
Previous Track*	With music ON, double-tap
Music Scan	With music ON, press ⊕ (scans up) or ⊖ (scans down) for 5 sec. The first few seconds of each track will play.
Stop Scan	To stop the scan on the current track, say any word loudly into the microphone or tap

*With some phones you may need to repeat this action

SWITCHING BETWEEN A2DP AUDIO SOURCES

If a Music Player is paired, the cardo SHO-1 will use it as the default A2DP audio source.

1. Stop the music playback from the current device.
2. Start music playback from the other device.

For best results when streaming A2DP, make sure that your smartphone remains in close proximity to the main unit of the cardo SHO-1. Since this is on the left side of your helmet, carry your smartphone on the left side of your body.

6.4 MUSIC SHARING

Music-sharing allows rider and passenger to listen to the same music within a range of 10m. / 33 ft

Music sharing works only with A2DP (*Bluetooth* stereo) enabled audio sources. In order to share your music with your riding partner, your cardo SHO-1 unit [SENDER] needs to be paired to the other unit [RECEIVER] on CHANNEL A and the RECEIVER must be in Standby mode.

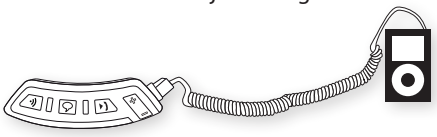
[SENDER] Start/Stop sharing your music:	During A2DP music playback, press ⊕ for 2 seconds
[RECEIVER] Stop music sharing:	Press ⊕ for 2 seconds

Phone/Intercom calls and GPS audio navigation will override music playback.

Music Sharing does not transmit voice audio and cannot be used as an Intercom call.

6.5 LISTENING TO MUSIC VIA THE AUX

The **USB / AUX** jack can be used to connect a non-*Bluetooth* audio source with a 3.5 mm / ⅛″ stereo jack using the enclosed cable.



1. Check that the cardo SHO-1 is in Standby.
2. Connect the MP3 cable to the Music Player's jack and insert the other end of the cable into the **USB/AUX** jack.

To listen to music from a cable-connected device, operate the Music Player using its buttons as usual (FF/REW/ PLAY/PAUSE).

7. FM RADIO

Your cardo SHO-1 includes a built-in FM radio with a 6 Preset memory and RDS (Radio Data System).

RDS allows your cardo SHO-1 to automatically retune to the strongest frequency available for the FM station you are listening to when the signal becomes too weak.

Turn on Radio	In standby, double-tap
Turn off Radio	Press for 2 seconds
Next Station	With radio ON, tap
Previous Station	With radio ON, double-tap
RDS ON/OFF (Default: Off)	With Radio ON, press ⊕ and ⊖ simultaneously for 2 seconds

7.1 RADIO TUNING

Preset stations can be saved via the *Cardo Community,* the Cardo Smartset App or directly from your cardo SHO-1.

1. Turn on the Radio.
2. Select a Preset number you wish to set (Preset 1 – 6) by tapping until the desired preset is heard.
3. Find an FM station to save using Seek or Scan.

Seek up/down and Save (Find the next FM station)	Choose a preset by tapping Press ⊕ or ⊖ for 2 seconds Tap within 20 seconds to save to current preset
Scan and Save: (Automatically scans up for a station)	With Radio ON, press ⊕ for 5 seconds To stop search, tap ⊕ Tap within 20 seconds to save to current preset To continue scan, wait for the next station to be found.

7.2 AUTOMATIC RADIO TUNING

This feature makes finding new stations fast and easy by automatically creating a temporary list of 6 radio stations.

1. With the radio on, press ⊖ for 5 seconds.
2. Your cardo SHO-1 will search upwards (higher frequency) from the current station and store the next 6 FM stations it discovers.
3. If desired, repeat to store the next 6 FM stations.

These 6 temporary stations cannot be saved and do not replace the FM Presets you may have saved.

Turning off your cardo SHO-1 will clear the temporary stations and restore the FM Presets.

8. TROUBLESHOOTING

Reboot	If your cardo SHO-1 stops responding, reset it by turning it off and then on again (press for 2 seconds).
Reset Pairing (Deletes all paired devices)	1. In Standby, press ⊕ for 5 secs until LED flashes RED/BLUE. 2. Press for 2 seconds until LED flashes 5 times in PURPLE.

9. SUPPORT

For additional information:

www.cardosystems.com

support@cardosystems.com

USA and Canada: 1-800-488-0363
International: +49 89 450 36819

IMPORTANT

MULTINATIONAL COMMERCE COMPANIES AND ONLINE AUCTION WEBSITES ARE NOT AUTHORIZED TO SELL CARDO PRODUCTS AND PURCHASES FROM SUCH SITES ARE AT YOUR OWN RISK. TO RECEIVE WARRANTY OR CUSTOMER SERVICE, YOU MUST SUBMIT ORIGINAL RECEIPTS FROM AUTHORIZED CARDO DEALERS.

PRODUCTS THAT WERE IMPORTED FROM NORTH AMERICA MUST BE SERVICED IN THE USA.

10. NOTICES

Federal Communications Commission (FCC) Statement

15.21

You are cautioned that changes or modifications not expressly approved by the part responsible for compliance could void the user's authority to operate the equipment.

15.105(b)

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

• Reorient or relocate the receiving antenna.

• Increase the separation between the equipment and receiver.

• Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

• Consult the dealer or an experienced radio/TV technician for help.

Operation is subject to the following two conditions:

1) this device may not cause interference and

2) this device must accept any interference, including interference that may cause undesired operation of the device.

FCC RF Radiation Exposure Statement:

This equipment complies with FCC/IC radiation exposure limits set forth for an uncontrolled environment. End users must follow the specific operating instructions for satisfying RF exposure compliance. The antenna used for this transmitter must not transmit simultaneously with any other antenna or transmitter, except in accordance with FCC/IC multi-transmitter product procedures.

Industry Canada (IC)

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:

1) this device may not cause interference and

2) this device must accept any interference, including interference that may cause undesired operation of the device.

IC RF Radiation Exposure Statement:

This equipment complies with the RSS-102 exemption from routine RF exposure evaluation for use in an uncontrolled environment.

European CE Notice

Your Cardo product (the "Product") is in conformity with the following essential requirements of Council Directive 1999/5/EC (referred to as R&TTE Directive): Articles 3.1a, 3.1.b and 3.2. The Product is manufactured in accordance with Annex II of the above directive.

Declaration of Conformity (DOC)

The Product is compliant with and adopts the *Bluetooth*® Specification 3.0. Class 1 + EDR and has successfully passed all interoperability tests that are specified in the *Bluetooth*® specification. However, interoperability between the device and other *Bluetooth*®-enabled products is not guaranteed.

Copyright

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IMPORTANT SAFETY AND WARRANTY INFORMATION – WAIVER AND GENERAL RELEASE

WARNING:

Cardo Systems Inc., ("Cardo" or the "Company") notifies you that your complete and undivided attention is required when using a communication device (the "Product") while riding. Failure to avoid potentially hazardous situations could result in accident resulting in serious injury or death.

Cardo advises you to take all necessary precautions and remain alert to the traffic, weather and all road conditions.

Do not perform pairing, linking or similar operations while riding. All publications are intended to address technical capabilities and should not be construed as encouraging the operation of Cardo's Products in any manner that is unsafe or prohibited by law.

Exercise all due caution while using this Product and obey all applicable traffic laws. Always ride and use the Product in a safe manner. Do not become distracted by the Product while riding. Always consider road, traffic, terrain and other conditions to maximize safety. Do not operate the Product if it becomes unsafe to do so.

In some regions or states, the use of mobile communications systems is prohibited or restricted. Check all laws and regulations that apply to your region before using the Product and be mindful that compliance with all laws and regulations is the user's responsibility. Use the Product only where and in the manner that such devices are permitted by applicable law. The Product should not be used in contravention of local, state or federal laws and regulations. Please check federal, state and local laws and regulations before using your Cardo Product.

Use Product only where safe, and avoid usage at gas stations, fuel depots or around explosives. Use with hearing aids and medical devices only after consulting a physician or specialist. Make sure to install and mount the Product in a stable manner.

HEALTH WARNINGS:

Hearing Loss

Audio devices can cause hearing loss. Employ care and avoid exposure to excessive volume levels that may damage or impair hearing or lead to hearing loss. Permanent hearing loss may occur if Products are used at high volume for prolonged periods of time.

RF Signals

Most electronic equipment is shielded from RF signals. However, certain electronic equipment may not be shielded against the RF signals emanating from your wireless equipment.

Pacemakers

The Health Industry Manufacturers Association recommends that a minimum separation of about six inches (or 16 cm) to be maintained between a mobile phone or wireless device and a pacemaker to avoid potential interference with the pacemaker. Be sure not to interfere with the functionality of personal medical devices.

Hearing Aids

Some devices may interfere with certain hearing aids. In the event of such interference, you should consult your hearing aid manufacturer to discuss alternatives.

Other Medical Devices

If you use any other personal medical device, consult the manufacturer of your device and/ or your physician to determine if it is adequately shielded from interference caused by external RF energy. Your physician may be able to assist you in obtaining this information.

LIMITED WARRANTY

Subject to compliance with Cardo's sales channel policy, proper use of the Product and compliance with all applicable laws and regulations in your jurisdiction, your Product is covered by a TWO-YEAR limited product warranty from the date of original purchase. Said original purchase must be supported by the retail sales receipt and your registration of the Product.

Subject to the aforementioned, Cardo hereby represents that this Product is warranted to be free from defects in materials or workmanship (proof of purchase and registration required). Within the subject period, Cardo will, at its sole option, repair or replace any components that fail in normal use. Cardo retains the exclusive right to repair or replace (with a new or newly-refurbished replacement product) the device or software or give a refund of the purchase price at its sole discretion. SUCH REMEDY SHALL BE YOUR SOLE AND EXCLUSIVE REMEDY FOR ANY BREACH OF WARRANTY. Such repairs or replacements will be made at no charge to the customer for parts or labor, provided that the customer shall be responsible for any shipping cost. This warranty does not cover failures due to abuse, misuse, accident or unauthorized alteration or repairs.

This Product is intended to be used only as a communication and entertainment device and should not be used in any location or jurisdiction where its use is prohibited.

The warranties and remedies contained herein are exclusive and in lieu of all other warranties express, implied or statutory, including any liability arising under any warranty of merchantability or fitness for a particular purpose, statutory or otherwise that Cardo specifically disclaims. This warranty gives you specific legal rights which may vary from state to state or from jurisdiction to jurisdiction. Cardo makes no other warranties express or implied beyond those stated specifically herein. This warranty is extended by Cardo solely to the original purchaser and is not assignable or transferable to others. Cardo assumes no obligation or liability for additions or modifications to this warranty unless made in writing and signed by an officer of the company.

Batteries are warranted only if the battery capacity falls below 50% of rated capacity or if the battery develops leakage.

IMPORTANT: Do not store your Product without charging it from time to time for periods in excess of six months, as this may cause irreversible damage to the capacity of your battery. Your warranty will not cover such events.

This warranty also becomes void if:

a. any of the seals on the case or battery are broken or Product or battery show signs of tampering,

b. the battery is used in equipment other than the equipment for which it was intended.

c. the Product is used in contravention of its intended purpose

d. the Product was purchased from unauthorized resellers or online auctions

Cardo assumes no responsibility resulting from the use of non-Cardo components or products in conjunction with its Products, and specifically the use of third party chargers or *Bluetooth*® devices. Furthermore, Cardo is not responsible for any damage to any part of the Product resulting from the use of ancillary equipment not furnished by Cardo which is attached to or used in connection with the Product.

Not covered by the warranty:

1. Defects or damage resulting from the use of this Product in other than its normal and customary manner.
2. Defects or damage from misuse, accident or neglect.
3. Defects caused by improper operation, maintenance, installation, adjustment or modification of any kind (incl. long-term storage without periodic charging of the battery).
4. Products opened, disassembled or repaired by non-authorized parties.
5. Defects or damage due to exposure to excessive temperatures, adverse weather conditions, external impacts or spills of food or liquid.
6. All plastic surfaces and all other externally exposed parts that are scratched or damaged after purchase.

Disclaimer of Warranty

The device and its accessories are provided "as is" and "as available" without warranty of any kind beyond those assumed in the enclosed manual.

LIMITATION OF LIABILITY

In no event shall Cardo be liable for any incidental, special, indirect, punitive, exemplary or consequential damages, whether resulting from the use, misuse, or inability to use this product or from defects in the product, or for any damages whatsoever resulting from the use of the product, whether based on breach of contract, tort (including negligence), product liability or otherwise even if advised of the possibility of such damages. You acknowledge and agree that the limitations set forth above are fundamental elements of this agreement to which you consent and without which the product would not be provided to you absent such limitations. Some jurisdictions do not allow certain exclusions of incidental or consequential damages, so the above limitations may not apply to you.

Warranty Service

To obtain warranty service, your Product must be registered. Register online at: **www.cardosystems.com/registration**. Please present the Product, along with your registration number, bill of sale (receipt) at any authorized Service Center or at the store from which you have purchased the Product.

To obtain warranty service, contact Cardo's product support and obtain an RMA tracking number, or contact your local Cardo authorized dealer. Ship securely with a copy of the original sales receipt which is required as proof of purchase for warranty repairs. The RMA tracking number should be written on the outside of the package. Send the Product freight charges prepaid, to the Cardo address as directed by Cardo.

Online Auction Purchases: Online auction confirmations are not accepted for warranty verification. To obtain warranty service, an original or copy of the sales receipt from the original authorized retailer is required. Cardo will not replace missing components from online auction sites.

WAIVER AND GENERAL RELEASE

By using the Product, you will waive substantial legal rights including the right to sue. Please read the following carefully before using the Product.

By using the Product, you are irrevocably releasing, indemnifying from any liability, loss, claim and expense (including attorney's fees) and holding Cardo harmless for any bodily injuries, harm or death as well as losses or damages in goods, to any vehicles including your own, or to any property or asset that belong to you or to third parties, any of which may result from using the Product under any circumstances or conditions and irrespective of jurisdiction. You confirm that this waiver and general release also applies to any and all third parties who recommend this Product.

1. You, your heirs, legal representatives, successors or assigns, hereby voluntarily and forever release, discharge, indemnify and hold harmless Cardo from any and all litigation, claims, debts, demands, actions and liability which may arise, directly or indirectly, from using the Product for any distress, pain, suffering, discomfort, loss, injury, death, damages to or in respect to any person or property however caused, WHETHER ARISING FROM THE NEGLIGENCE OR OTHERWISE, and which may hereafter accrue to you on some future date as a result of said use, to the fullest extent permitted by law.
2. You fully understand and assume the risks in using the Product, including risk of negligent acts or omissions by others. All risks for operating the Product are assumed solely by the user of the Product.
3. You confirm that you are physically capable to use the Product and that you have no medical conditions or needs that may infringe upon your abilities to do so in a safe manner. You further confirm that you will not consume any alcohol that may affect your alertness or any mind-altering substance, and will not carry, use or consume these substances before or during the use of the Product.
4. You fully acknowledge our warnings and understand that:

(a) risks exist in using the Product while in traffic, including but not limited to injury or illness, strains, fractures, partial and/or total paralysis, death or other ailments that could cause serious disability;

(b) these risks may be caused by the negligence of the manufacturers or its agents or any third party involved in the Product;

(c) these risks and dangers may arise from foreseeable or unforeseeable causes.

You hereby assume all risks and dangers and all responsibility for any losses and/or damages, whether caused in whole or in part by the negligence or other conduct of others, including Cardo.

5. By using the Product, you confirm that you have read this release of liability and fully understand and accept its terms and conditions.

www.cardosystems.com